

PATENT ABSTRACTS OF JAPAN

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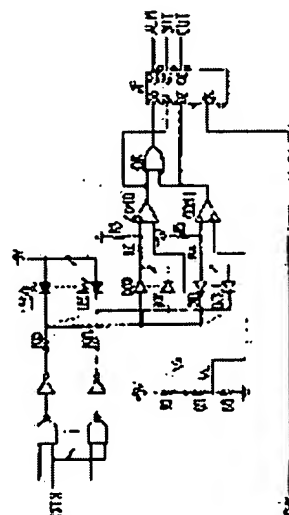
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(54) CHECKING CIRCUIT FOR LIGHT EMITTING DOIDE

(57)Abstract:

PURPOSE: To automatically check the normality of a light emitting diode even when said diode is visually confirmed by a person.

CONSTITUTION: Light emitting diodes LED0-LEDn are driven by resistors R00-R0n so as to be allowed to light and the voltage corresponding to the min. value of voltage drop is outputted to the common cathode of the diodes D00-D0n and the voltage corresponding to the max. value of voltage drop is outputted to the common anode of the diodes D110-D1n. A comparator COM0 compares the voltage corresponding to the min. value with the reference voltage VH on a high potential side imparted by resistors R6-R8 and, when said voltage exceeds VH, an SHIT signal showing that there is a short-circuited diode is outputted through a D flip-flop PF. In the same way, when the voltage corresponding to the max. value is lower than VL, a comparator COM 1 outputs a CUT signal showing that there is a cut-off diode to the D flip-flop DF.



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